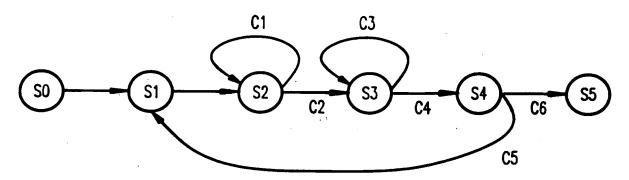


FIG.4



SO: START, i = 0

S1: update FirstCriticalEvent(i) and

LastCriticalEvent(i)

S2: yield the thread schedule

S3: execute event.

if CriticalEvent increment global_counter

S4: i = i + 1

S5: END

C1: global_counter < FirstCriticalEvent(i)

C2: not C1

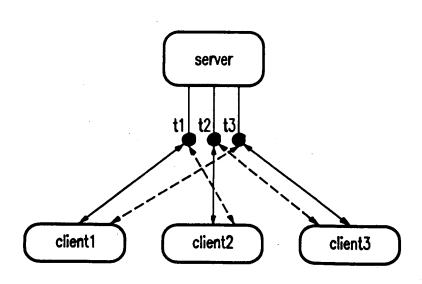
C3: global_counter <= LastCriticalEvent(i)

C4: not C3

C5: i <= last interval

C6: not C5

FIG.5

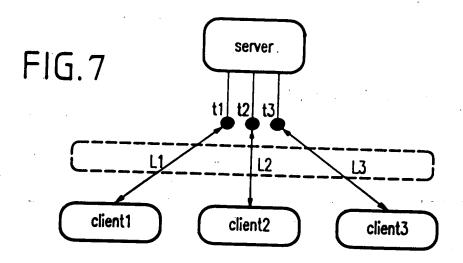


connection during 1st execution

connection during 2nd execution

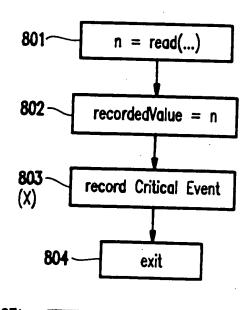


FIG.6



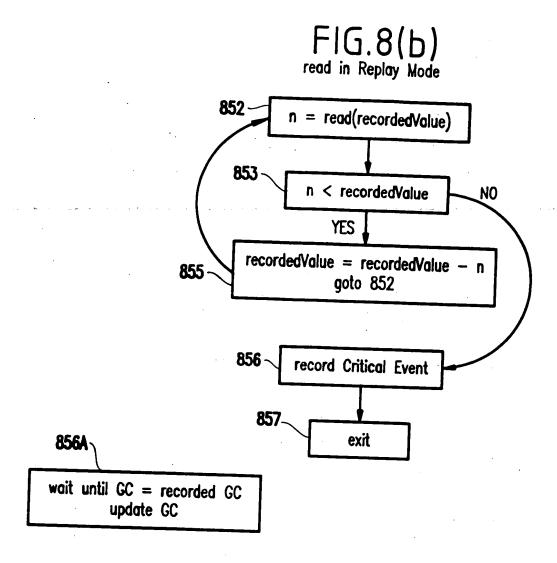
L1: <gS1, Client1Id>, Client1Id = <Client1VMID, gCounterClient1>> L2: <gS2, Client2Id>, Client2Id = <Client2VMID, gCounterClient2>> L3: <gS3, Client3Id>, Client3Id = <Client3VMID, gCounterClient3>>

FIG.8(a) read in Record Mode





enterGCCriticalSection
update GC
leaveGCCriticalSection



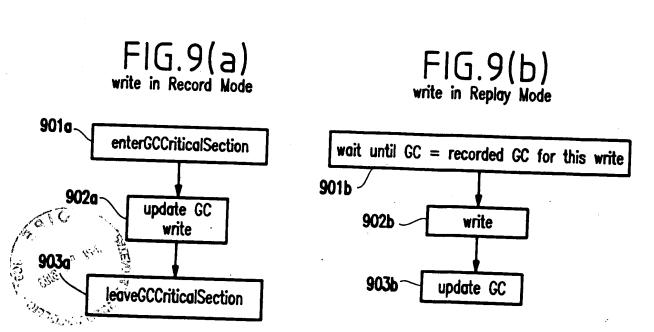


FIG.10 accept and connect in Record Mode

